RDAC Update: EUMETSAT OSI SAF

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OSI SAF

OSI SAF: Ocean and Sea-Ice Satellite Application Facility of the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT).

OSI SAF Objectives: Provide users with operational data of wind, radiative fluxes, sea surface temperature, sea-ice parameters.

OSI SAF partners:

Météo-France	Norwegian Meteorological Institute	Danish Meteorological Institute	Royal Netherlands Meteorological Institute	French research institute for the exploitation of the sea
METEO FRANCE	Meteorologisk institutt	DMI	Royal Netherlands Meteorological Institute Ministry of Infrastructure and the Environment	Ifremer

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On-going real-time SST data production:

Product ID	Instrument	Coverage
OSI-201	METOP-A/AVHRR	Global on a 0.05° grid/12 hourly
OSI-202	METOP-A/AVHRR and NPP/VIIRS	North Atlantic Region/6 hourly
OSI-203	METOP-A/AVHRR	Atlantic High Latitudes/12 hourly
OSI-204	METOP-A/AVHRR	Global full resolution in satellite projection
OSI-206	METEOSAT10/SEVIRI	Covering 60S-60N and 60W-60E on a 0.05° grid/hourly
OSI-207	GOES13-East	Covering 60S-60N and 135W-15W on a 0.05° grid/hourly
OSI-208	METOP-A/IASI	Global full resolution in satellite projection

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Updated processing chain for Low Earth Orbiter:

- ▶ Operational Readiness Review in autumn 2015.
- ▶ Now running in operational environment since April 2015 on METOP-B/AVHRR data.
- ▶ Algorithm correction scheme (Le Borgne et al., 2011).
- ▶ Delivers L2P granules, L3C NAR and L3C global products GDS 2.0 compliant.
- ▶ Planning operational product delivery before end of 2015.

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MSG/SEVIRI reprocessing:

- ▶ Covers 2004–2012.
- ▶ Final dataset will be delivered on a 0.05° regular lat/lon grid.
- ▶ To be delivered mid-2016 as GDS 2.0 compliant dataset.
- ▶ **Poster**: "Preparing OSI SAF MSG/SEVIRI SST reprocessing 2004-2012"

Update of high latitude SST:

- ▶ Introduction of sea-ice surface temperature in SST product OSI-203 high latitudes regional product and geographic extension of the product.
- ▶ Toward delivering same as above in global full resolution in satellite projection (granules): OSI-205 product.
- ▶ Planning operational delivery in the next few months.

Data availability

All OSI SAF products (except high latitudes, OSI-203 product) are GDS 2.0 compliant.

Access to the data:

Ifremer FTP server `http://www.osi-saf.org`	All OSI SAF SST products (except high latitudes) in near real time in GHRSST format
NAIAD: `http://naiad.ifremer.fr/`	Same as above
PO.DAAC: `http://podaac.jpl.nasa.gov/`	Same as above
GHRSST Long Term Stewardship and Reanalysis Facility	Same as PO.DAAC (archive)
EUMETCast (Satellite broadcast system)	All products (in GRIB2 format) & METOP/AVHRR L2P in GHRSST format. Planning to distribute other data in GHRSST format.
EUMETSAT Data Center	Global or regional products (in GRIB2 or GHRSST format depending on product)

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DOI for real-time products. Two main issues:
- Can someone else than the owner assign DOI?
- EUMETSAT point of view: DOI should be attributed to reprocessed data sets only (on a limited period of time).

Definition of SSES:
- Users do not use them because they are not consistent between products.
- We should have a clear and homogenised definition of SSES across products.